

S/N 10/776,761

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\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 JAN 17 Pre-1988 INPI data added to MARPAT  
NEWS 4 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist  
visualization results  
NEWS 5 FEB 22 The IPC thesaurus added to additional patent databases on STN  
NEWS 6 FEB 22 Updates in EPFULL; IPC 8 enhancements added  
NEWS 7 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 8 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes  
NEWS 9 MAR 08 X.25 communication option no longer available after June 2006  
NEWS 10 MAR 22 EMBASE is now updated on a daily basis  
NEWS 11 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL  
NEWS 12 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC  
thesaurus added in PCTFULL  
NEWS 13 APR 04 STN AnaVist \$500 visualization usage credit offered  
NEWS 14 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced  
NEWS 15 APR 12 Improved structure highlighting in FQHIT and QHIT display  
in MARPAT  
NEWS 16 APR 12 Derwent World Patents Index to be reloaded and enhanced during  
second quarter; strategies may be affected  
NEWS 17 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records  
NEWS 18 MAY 11 KOREAPAT updates resume  
  
NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.  
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT  
<http://download.cas.org/express/v8.0-Discover/>  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that  
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Take survey: <http://www.zoomerang.com/survey.zgi?p=WEB2259HNKWTUW>

Thank you in advance for your participation.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:51:05 ON 14 MAY 2006

=> set abbr on perm  
SET COMMAND COMPLETED

=> set plurals on perm  
SET COMMAND COMPLETED

=> file pctfull		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'PCTFULL' ENTERED AT 16:51:26 ON 14 MAY 2006  
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FILE LAST UPDATED:	11 MAY 2006	<20060511/UP>
MOST RECENT UPDATE WEEK:	200618	<200618/EW>
FILE COVERS 1978 TO DATE		

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

>>> NEW IPC8 DATA AND FUNCTIONALITY NOW AVAILABLE IN THIS FILE.  
SEE  
<http://www.stn-international.de/stndatabases/details/ipc-reform.html> >>>

>>> FOR CHANGES IN PCTFULL PLEASE SEE HELP CHANGE  
(last updated April 10, 2006) <<<

=> s wo 0216452/pn  
L1 0 WO 0216452/PN  
(WO216452/PN)

=> s wo2001CA01188/an  
L2 0 WO2001CA01188/AN

=> s wo0216452  
L3 0 WO0216452

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	3.48	3.69

FILE 'CAPLUS' ENTERED AT 16:53:28 ON 14 MAY 2006  
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FILE COVERS 1907 - 14 May 2006 VOL 144 ISS 21  
FILE LAST UPDATED: 12 May 2006 (20060512/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s wo 0216452/pn  
L4 0 WO 0216452/PN  
(WO216452/PN)

=> s wo/0216452/pn  
L5 0 WO/0216452/PN  
(WO/PN)

=> log y	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	5.28	8.97

STN INTERNATIONAL LOGOFF AT 16:55:26 ON 14 MAY 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptaul55fxt

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	"Ask CAS" for self-help around the clock
NEWS	3 OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	4 OCT 30	CHEMLIST enhanced with new search and display field
NEWS	5 NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	6 NOV 10	CA/CAPLUS F-Term thesaurus enhanced
NEWS	7 NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	8 NOV 20	CA/CAPLUS to MARPAT accession number crossover limit increased

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to 50,000

NEWS 9	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS 10	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS 11	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS 12	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS 13	DEC 18	CA/CAPLUS pre-1967 chemical substance index entries enhanced with preparation role
NEWS 14	DEC 18	CA/CAPLUS patent kind codes updated
NEWS 15	DEC 18	MARPAT to CA/CAPLUS accession number crossover limit increased to 50,000
NEWS 16	DEC 18	MEDLINE updated in preparation for 2007 reload.
NEWS 17	DEC 27	CA/CAPLUS enhanced with more pre-1907 records
NEWS 18	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS 19	JAN 16	CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS 20	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS 21	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 22	JAN 22	CA/CAPLUS updated with revised CAS roles
NEWS 23	JAN 22	CA/CAPLUS enhanced with patent applications from India
NEWS 24	JAN 29	PHAR reloaded with new search and display fields
NEWS 25	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 17:31:34 ON 01 FEB 2007

=> set plurals on perm  
SET COMMAND COMPLETED

=> set abbr on pemr  
'ON PEMR' IS NOT VALID HERE  
For an explanation of the SET command, enter "HELP SET" at an arrow prompt (=>).

=> set abbr on perm  
SET COMMAND COMPLETED

=> file uspatall caplus japio		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'USPATFULL' ENTERED AT 17:32:28 ON 01 FEB 2007  
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

S/N 10/776,761

FILE 'USPAT2' ENTERED AT 17:32:28 ON 01 FEB 2007  
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FILE 'CAPLUS' ENTERED AT 17:32:28 ON 01 FEB 2007  
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FILE 'JAPIO' ENTERED AT 17:32:28 ON 01 FEB 2007  
COPYRIGHT (C) 2007 Japanese Patent Office (JPO) - JAPIO

=> e kaszas gabor/au

E1	2	KASZAS FERENC/AU
E2	17	KASZAS G/AU
E3	96 -->	KASZAS GABOR/AU
E4	3	KASZAS GEORGE/AU
E5	2	KASZAS GY/AU
E6	1	KASZAS GYORGY/AU
E7	4	KASZAS I/AU
E8	1	KASZAS ILONA/AU
E9	3	KASZAS ISTVAN/AU
E10	2	KASZAS KRISZTIAN/AU
E11	1	KASZAS LADISLAV/AU
E12	1	KASZAS LASZLO/AU

=> s e3

L1 96 "KASZAS GABOR"/AU

=> s l1 and butyl(2a)(polymer# or rubber# or elastomer##)

L2 48 L1 AND BUTYL(2A)(POLYMER# OR RUBBER# OR ELASTOMER##)

=> s l2 and (low? or reduc? or minim?)(4a)gel?

L3 5 L2 AND (LOW? OR REDUC? OR MINIM?)(4A) GEL?

=> d l3 1-5 ibib abs

L3 ANSWER 1 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2005:50639 USPATFULL

TITLE: Process for production of high-isoprene butyl rubber

INVENTOR(S): Resendes, R., Sarnia, CANADA  
Kaszas, Gabor, London, CANADA  
Drawitt, Mark J., Sarnia, CANADA  
Glander, Stephan, Leverkusen, GERMANY, FEDERAL REPUBLIC OF  
Langstein, Garhard, Kurten, GERMANY, FEDERAL REPUBLIC OF  
Bohnanpoll, Martin, Leverkusen, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005043440	A1	20050224
APPLICATION INFO.:	US 2004-776761	A1	20040211 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	CA 2003-2418884	20030214
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BAYER MATERIAL SCIENCE LLC, 100 BAYER ROAD, PITTSBURGH, PA, 15205	

S/N 10/776,761

NUMBER OF CLAIMS: 15  
EXEMPLARY CLAIM: 1  
LINE COUNT: 547

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a continuous process for producing polymers at conversions ranging from 50% to 95% having a Mooney viscosity of at least 25 Mooney-units and a gel content of less than 15 weight % containing repeating units derived from at least one isooolefin monomer, more than 4.1 mol % of repeating units derived from at least one multiolefin monomer and optionally further copolymerizable monomers in the presence of  $\text{AlCl}_3$  and a suitable proton source (e.g. water) or cationogen and at least one multiolefin cross-linking agent wherein the process is conducted in the absence of transition metal compounds and organic nitro compounds.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 2 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2004:281027 USPATFULL

TITLE: Process for production of high-isoprene butyl rubber

INVENTOR(S): Resendes, R., Sarnia, CANADA  
Casper, Rotraud, Leverkusen, GERMANY, FEDERAL REPUBLIC OF LR  
Casper, Rudolf, Sarnia, GERMANY, FEDERAL REPUBLIC OF  
App, William E., Alvinston, CANADA  
Langstein, Gerhard, Kurten, GERMANY, FEDERAL REPUBLIC OF  
Bohnenpoll, Martin, Leverkusen, GERMANY, FEDERAL REPUBLIC OF  
Kaszas, Gabor, London, CANADA  
Glander, Stephan, Leverkusen, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004220328	A1	20041104
APPLICATION INFO.:	US 2003-726455	A1	20031203 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	CA 2002-2413611	20021205
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	LANXESS CORPORATION, PATENT DEPARTMENT/ BLDG 14, 100 BAYER ROAD, PITTSBURGH, PA, 15205-9741	
NUMBER OF CLAIMS:	5	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	405	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a process for producing polymers comprising repeating units derived from at least one isooolefin monomer, at least one multiolefin monomer and optionally further copolymerizable monomers in the presence of at least one organic nitro compound and  $\text{AlCl}_3$ /water wherein the process is conducted in the absence of compounds selected from the group consisting of vanadium compounds, zirconium halogenid, hafnium halogenides.

Preferably the polymers have a multiolefin content of greater than 2.5 mol %, and a molecular weight  $M_w$  of greater than 240 kg/mol.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L3 ANSWER 3 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:312832 USPATFULL  
TITLE: Rubber composition for tire treads  
INVENTOR(S): Hopkins, William, UNITED STATES  
Kaszas, Gabor, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003220437	A1	20031127
APPLICATION INFO.:	US 2003-420201	A1	20030422 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	CA 2002-2383474	20020426
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BAYER POLYMERS LLC, 100 BAYER ROAD, PITTSBURGH, PA, 15205	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
LINE COUNT:	795	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a rubber composition which contains an optionally halogenated, low-gel, high molecular weight isoolefin multiolefin quad-polymer together with at least one silica compound, and to a process for the preparation of the rubber composition, and to a tire tread containing said rubber composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 4 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:266156 USPATFULL  
TITLE: Processability butyl rubber and process for production thereof  
INVENTOR(S): Kaszas, Gabor, Ontario, CANADA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003187173	A1	20031002
	US 6841642	B2	20050111
APPLICATION INFO.:	US 2003-362202	A1	20030523 (10)
	WO 2001-CA1188		20010821

	NUMBER	DATE
PRIORITY INFORMATION:	CA 2000-2316741	20000824
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BAYER POLYMERS LLC, 100 BAYER ROAD, PITTSBURGH, PA, 15205	
NUMBER OF CLAIMS:	44	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	14 Drawing Page(s)	
LINE COUNT:	1099	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A butyl polymer having improved processability is described, together with a process for production thereof. The butyl polymer derived from a reaction mixture which contains: (i) a monomer mixture comprising a C4 to C7 monoolefin monomer (preferably isobutylene) and a C4 to C14 multiolefin monomer (preferably isoprene); (ii) a multiolefin cross-linking agent (preferably divinyl benzene); and (iii) a chain transfer agent (preferably diisobutylene

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(2,2,4-trimethyl-1-pentene)). The subject butyl polymer has an improved balance of cold flow, filler dispersion, extrusion rate and die swell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 5 OF 5 USPAT2 on STN

ACCESSION NUMBER: 2003:266156 USPAT2  
TITLE: Processability butyl rubber and process for production thereof  
INVENTOR(S): Kaszas, Gabor, London, CANADA  
PATENT ASSIGNEE(S): Bayer Inc., Sarnia, CANADA (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6841642	B2	20050111
	WO 2002016452		20020228
APPLICATION INFO.:	US 2003-362202		20030523 (10)
	WO 2001-CA1188		20010821
			20030523 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	CA 2000-2316741	20000824
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Teskin, Fred	
LEGAL REPRESENTATIVE:	Akorli, Godfried R., Seng, Jennifer R.	
NUMBER OF CLAIMS:	44	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	14 Drawing Figure(s); 14 Drawing Page(s)	
LINE COUNT:	1068	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A butyl polymer having improved processability is described, together with a process for production thereof. The butyl polymer derived from a reaction mixture which contains: (i) a monomer mixture comprising a C4 to C7 monoolefin monomer (preferably isobutylene) and a C4 to C14 multiolefin monomer (preferably isoprene); (ii) a multiolefin cross-linking agent (preferably divinyl benzene); and (iii) a chain transfer agent (preferably diisobutylene (2,2,4-trimethyl-1-pentene)). The subject butyl polymer has an improved balance of cold flow, filler dispersion, extrusion rate and die swell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
35.92	36.34

FULL ESTIMATED COST

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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jan 26, 2007 (20070126/UP).

=> s butyl(2a)(polymer# or rubber# or elastomer##)  
0 BUTYL  
40 POLYMER#



S/N 10/776,761

4 RUBBER#  
0 ELASTOMER##  
L4 0 BUTYL(2A) (POLYMER# OR RUBBER# OR ELASTOMER##)

=> file uspatall caplus japiro

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.30

36.64

FILE 'USPATFULL' ENTERED AT 17:39:20 ON 01 FEB 2007

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FILE 'USPAT2' ENTERED AT 17:39:20 ON 01 FEB 2007

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FILE 'JAPIO' ENTERED AT 17:39:20 ON 01 FEB 2007

COPYRIGHT (C) 2007 Japanese Patent Office (JPO) - JAPIO

=> s butyl(2a) (polymer# or rubber# or elastomer##)

L5 48066 BUTYL(2A) (POLYMER# OR RUBBER# OR ELASTOMER##)

=> s l5 and (low? or reduc? or minim?) (4a) gel?

L6 798 L5 AND (LOW? OR REDUC? OR MINIM?) (4A) GEL?

=> s l6 and aluminum(1a) (chloride or trichloride)

L7 75 L6 AND ALUMINUM(1A) (CHLORIDE OR TRICHLORIDE)

=> s l7 and (cross(1w) link? (1a) (agent or monomer#))

L8 10 L7 AND (CROSS(1W) LINK?(1A) (AGENT OR MONOMER#))

=> d l8 1-10 ibib abs

L8 ANSWER 1 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2004:166124 USPATFULL

TITLE: Polyolefin adhesive compositions and articles made therefrom

INVENTOR(S): Jiang, Peijun, League City, TX, UNITED STATES  
Nelson, Keith Allen, Houston, TX, UNITED STATES  
Curry, Christopher Lewis, Seabrook, TX, UNITED STATES  
Dekmezian, Armenag Hagop, Kingwood, TX, UNITED STATES  
Sims, Charles Lewis, Houston, TX, UNITED STATES  
Abhari, Ramin, Friendswood, TX, UNITED STATES  
Garcia-Franco, Cesar Alberto, Houston, TX, UNITED STATES  
Canich, Jo Ann Marie, Houston, TX, UNITED STATES  
Kappes, Nicolas, Bruxelles, BELGIUM  
Faissat, Michel Louis, Waterloo, BELGIUM  
Jacob, Lutz Erich, Tervuren, BELGIUM

NUMBER KIND DATE

PATENT INFORMATION: US 2004127614 A1 20040701

APPLICATION INFO.: US 2003-686951 A1 20031015 (10)

NUMBER DATE

PRIORITY INFORMATION: US 2002-418482P 20021015 (60)

US 2003-460714P 20030404 (60)

S/N 10/776,761

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: EXXONMOBIL CHEMICAL COMPANY, P O BOX 2149, BAYTOWN, TX,  
77522-2149  
NUMBER OF CLAIMS: 426  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 10 Drawing Page(s)  
LINE COUNT: 12676

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Embodiments of the present invention relate to article comprising a polymer comprising one or more C3 to C40 olefins, optionally one or more diolefins, and less than 5 mole % of ethylene having a Dot T-Peel of 1 Newton or more, a branching index (g') of 0.95 or less measured at the Mz of the polymer; and an Mw of 100,000 or less. This invention further relates to a process to produce an olefin polymer comprising: 1) selecting a first catalyst component capable of producing a polymer having an Mw of 100,000 or less and a crystallinity of 20% or less; 2) selecting a second catalyst component capable of producing polymer having an Mw of 100,000 or less and a crystallinity of 40% or more; 3) contacting the catalyst components in the presence of one or more activators with one or more C3 to C40 olefins, in a reaction zone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 2 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2003:312832 USPATFULL  
TITLE: Rubber composition for tire treads  
INVENTOR(S): Hopkins, William, UNITED STATES  
Kaszas, Gabor, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003220437	A1	20031127
APPLICATION INFO.:	US 2003-420201	A1	20030422 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	CA 2002-2383474	20020426
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BAYER POLYMERS LLC, 100 BAYER ROAD, PITTSBURGH, PA, 15205	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
LINE COUNT:	795	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a rubber composition which contains an optionally halogenated, low-gel, high molecular weight isoolefin multiolefin quad-polymer together with at least one silica compound, and to a process for the preparation of the rubber composition, and to a tire tread containing said rubber composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 3 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2003:266156 USPATFULL  
TITLE: Processability butyl rubber and  
process for production thereof  
INVENTOR(S): Kaszas, Gabor, Ontario, CANADA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003187173	A1	20031002

S/N 10/776,761

APPLICATION INFO.:      US 6841642              B2    20050111  
                         US 2003-362202          A1    20030523    (10)  
                         WO 2001-CA1188              20010821

	NUMBER	DATE
PRIORITY INFORMATION:	CA 2000-2316741	20000824
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BAYER POLYMERS LLC, 100 BAYER ROAD, PITTSBURGH, PA, 15205	
NUMBER OF CLAIMS:	44	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	14 Drawing Page(s)	
LINE COUNT:	1099	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB      A butyl polymer having improved processability is described, together with a process for production thereof. The butyl polymer derived from a reaction mixture which contains: (i) a monomer mixture comprising a C4 to C7 monoolefin monomer (preferably isobutylene) and a C4 to C14 multiolefin monomer (preferably isoprene); (ii) a multiolefin cross-linking agent (preferably divinyl benzene); and (iii) a chain transfer agent (preferably diisobutylene (2,2,4-trimethyl-1-pentene)). The subject butyl polymer has an improved balance of cold flow, filler dispersion, extrusion rate and die swell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8    ANSWER 4 OF 10    USPATFULL on STN  
ACCESSION NUMBER:      95:34217    USPATFULL  
TITLE:                  Radiation-curable poly( $\alpha$ -olefin) adhesives containing pendant olefinic functionality  
INVENTOR(S):            Peterson, James R., St. Paul, MN, United States  
                         Babu, Gaddam N., Woodbury, MN, United States  
PATENT ASSIGNEE(S):    Minnesota Mining and Manufacturing Company, St. Paul, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5407970		19950418
APPLICATION INFO.:	US 1993-47148		19930413    (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Berman, Susan W.		
LEGAL REPRESENTATIVE:	Griswold, Gary L., Kirn, Walter N., Burleson, David G.		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	855		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB      The invention relates to adhesive compositions comprising terpolymers C.sub.6 to C.sub.10 unsaturated  $\alpha$ -olefin monomers, C.sub.2 to C.sub.5  $\alpha$ -olefin monomers and polyene monomers and an effective amount of photoactive cross-linking agent, to cross-link composition upon radiation from a source of active radiation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8    ANSWER 5 OF 10    USPATFULL on STN  
ACCESSION NUMBER:      80:62987    USPATFULL  
TITLE:                  Liquid peroxide composition  
INVENTOR(S):            Nambu, Hirohiko, Iwakuni, Japan

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PATENT ASSIGNEE(S): Mizuno, Kenichi, Otake, Japan  
Matumoto, Tetuhiro, Otake, Japan  
Mitsui Petrochemical Industries Ltd., Tokyo, Japan  
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4239644		19801216
APPLICATION INFO.:	US 1979-22499		19790321 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1978-34115	19780327
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Padgett, Benjamin R.	
ASSISTANT EXAMINER:	Gluck, Irwin	
LEGAL REPRESENTATIVE:	Sherman & Shalloway	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	470	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A liquid peroxide composition comprising dicumyl peroxide and a dicumyl peroxide derivative having one nucleus substituted by an alkyl group having 1 to 3 carbon atoms is disclosed. This peroxide composition can easily be handled because it is liquid, and it is very valuable as a cross-linking agent for an olefin polymer or a synthetic rubber.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 6 OF 10 USPATFULL on STN

ACCESSION NUMBER: 77:51000 USPATFULL  
TITLE: Preparation of graft, block and crosslinked unsaturated polymers and copolymers by olefin metathesis  
INVENTOR(S): Scott, Kenneth W., Cuyahoga Falls, OH, United States  
Calderon, Nissim, Akron, OH, United States  
PATENT ASSIGNEE(S): The Goodyear Tire & Rubber Company, Akron, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4049616		19770920
APPLICATION INFO.:	US 1976-735237		19761026 (5)
RELATED APPLN. INFO.:	Division of Ser. No. US 1974-524730, filed on 18 Nov 1974, now patented, Pat. No. US 4010224 which is a division of Ser. No. US 1974-435405, filed on 21 Jan 1974, now abandoned which is a division of Ser. No. US 1972-259881, filed on 5 Jun 1972, now patented, Pat. No. US 3891816 which is a division of Ser. No. US 1969-882270, filed on 4 Dec 1969, now patented, Pat. No. US 3692872		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ziegler, J.		
LEGAL REPRESENTATIVE:	Brunner, F. W., Clowney, J. Y.		
NUMBER OF CLAIMS:	3		
EXEMPLARY CLAIM:	1		
LINE COUNT:	711		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is directed to a catalytic process where two unsaturated substances of which at least one of them is a high molecular weight

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polymeric material containing double bonds either along the main chain or as part of pendant side groups, are inter-reacted by means of an olefin metathesis reaction leading to the formation of new and useful polymeric materials.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 7 OF 10 USPATFULL on STN

ACCESSION NUMBER: 77:10465 USPATFULL  
TITLE: Preparation of graft, block and crosslinked unsaturated polymers and copolymers by olefin metathesis  
INVENTOR(S): Scott, Kenneth W., Cuyahoga Falls, OH, United States  
Calderon, Nissim, Akron, OH, United States  
PATENT ASSIGNEE(S): The Goodyear Tire & Rubber Company, Akron, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4010224		19770301
APPLICATION INFO.:	US 1974-524730		19741118 (5)
RELATED APPLN. INFO.:	Division of Ser. No. US 1974-435405, filed on 21 Jan 1974, now abandoned which is a division of Ser. No. US 1972-259881, filed on 5 Jun 1972, now patented, Pat. No. US 3891816 which is a division of Ser. No. US 1969-882270, filed on 4 Dec 1969, now patented, Pat. No. US 3692872		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ziegler, J.		
LEGAL REPRESENTATIVE:	Brunner, F. W., Clowney, J. Y.		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1		
LINE COUNT:	689		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The composition is disclosed of graft and block copolymer and interpolymers comprising subjecting two dissimilar polymeric substances to catalysts capable of inducing the olefin metathesis reaction.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 8 OF 10 USPATFULL on STN

ACCESSION NUMBER: 75:33515 USPATFULL  
TITLE: Preparation of graft, block and crosslinked unsaturated polymers and copolymers by olefin metathesis  
INVENTOR(S): Scott, Kenneth W., Cuyahoga Falls, OH, United States  
Calderon, Nissim, Akron, OH, United States  
PATENT ASSIGNEE(S): The Goodyear Tire & Rubber Company, Akron, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3891816		19750624
APPLICATION INFO.:	US 1972-259881		19720605 (5)
RELATED APPLN. INFO.:	Division of Ser. No. US 1969-882270, filed on 4 Dec 1969, now patented, Pat. No. US 3692872		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Tillman, Murray		
ASSISTANT EXAMINER:	Ziegler, J.		
LEGAL REPRESENTATIVE:	Brunner, F. W., Clowney, J. Y.		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
LINE COUNT:	765		

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The method is disclosed for preparing graft and block copolymers and interpolymers comprising subjecting two dissimilar polymeric substances to catalysts capable of inducing the olefin metathesis reaction.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 9 OF 10 USPATFULL on STN

ACCESSION NUMBER: 72:47773 USPATFULL

TITLE: PREPARATION OF GRAFT, BLOCK AND CROSSLINKED UNSATURATED POLYMERS AND COPOLYMERS BY OLEFIN METATHESIS

INVENTOR(S): Calderon, Nissim, 751 New Castle Dr., Akron, OH, United States 44313  
Scott, Kenneth W., 3030 Oakridge Drive, Cuyahoga Falls, OH, United States 44224

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3692872		19720919
APPLICATION INFO.:	US 1969-882270		19691204 (4)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wong, Jr., Harry		
LEGAL REPRESENTATIVE:	Brunner; F. W., Clowney; J. Y.		
NUMBER OF CLAIMS:	6		
LINE COUNT:	771		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method is disclosed for preparing graft, block and crosslinked unsaturated polymers and interpolymers by subjecting polymers to catalysts capable of inducing the olefin metathesis reaction.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 10 OF 10 USPAT2 on STN

ACCESSION NUMBER: 2003:266156 USPAT2

TITLE: Processability butyl rubber and process for production thereof

INVENTOR(S): Kaszas, Gabor, London, CANADA

PATENT ASSIGNEE(S): Bayer Inc., Sarnia, CANADA (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6841642	B2	20050111
	WO 2002016452		20020228
APPLICATION INFO.:	US 2003-362202		20030523 (10)
	WO 2001-CA1188		20010821
			20030523 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	CA 2000-2316741	20000824
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Teskin, Fred	
LEGAL REPRESENTATIVE:	Akorli, Godfried R., Seng, Jennifer R.	
NUMBER OF CLAIMS:	44	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	14 Drawing Figure(s); 14 Drawing Page(s)	
LINE COUNT:	1068	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A butyl polymer having improved processability is described, together with a process for production thereof. The butyl polymer derived from a reaction mixture which

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contains: (i) a monomer mixture comprising a C4 to C7 monoolefin monomer (preferably isobutylene) and a C4 to C14 multiolefin monomer (preferably isoprene); (ii) a multiolefin cross-linking agent (preferably divinyl benzene); and (iii) a chain transfer agent (preferably diisobutylene (2,2,4-trimethyl-1-pentene)). The subject butyl polymer has an improved balance of cold flow, filler dispersion, extrusion rate and die swell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

57.98

94.62

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